

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A telephonic communication system for integrating wireless phone service with home phone service, the telephonic communication system disposed at a user facility, the telephonic communication system comprising:

a first communication channel to a wireless phone, wherein incoming phone calls are directed to the wireless phone with a telephone number;

a second communication channel to an interface coupled to one or more wired phones at a user location, wherein the first and second communication channels are accessible with a telephone number;

a third communication channel coupled to an Internet and coupled to one or more SIP phones; and

a demarcation device coupled to the first, second, and third communication channels,

the demarcation device disposed at a user facility,

the demarcation device interposed between the first, second, and third communication channels,

the demarcation device interposed between the first communication channel and the one or more wired phones at the user location,

the demarcation device interposed between the second communication channel and the wired phones,

the demarcation device interposed between the third communication channel and the wired phones, and wherein the demarcation device is interposed between the Internet and the one or more SIP phones,

wherein the demarcation device receives an incoming phone call on the first communication channel directed to the telephone number for the wireless phone, the demarcation device determines if the first, second, and third communication channels should be simultaneously sent the incoming phone call directed to the telephone number.

2. (Original) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the wireless phone and the wireless interface uses one of GSM, CDMA, AMPS, and TDMA transport.

3. (Original) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the interface is located at the user location.

4. (Previously Presented) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the demarcation device provisionally sends the incoming phone call to the first and second communication channel until acceptance of the incoming phone call when one of the first and second communication channels receives the incoming phone call and the other of the first and second communication channel is disconnected from the incoming phone call.

5. (Original) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein:

the second communication channel can join the incoming phone call of the first communication channel, and

the phone call can be manually transferred from the second communication channel to the first communication channel.

6. (Original) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the interface is one of a wireless cellular interface, a PSTN interface, and a VOIP interface.

7. (Currently Amended) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 6, wherein the VOIP interface is one of a wireless Internet interface, a WIFI™ interface, a power line Internet interface, an ultra-wide band wireless interface, a microwave ~~internet~~-Internet interface, a cable modem interface, and a direct broadcast satellite Internet interface.

8. (Previously Presented) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the first communication channel uses different physical transport within the user location from the second communication channel.

9. (Previously Presented) The telephonic communication system for integrating wireless phone service with home phone service as recited in claim 1, wherein the one or more wired phones are chosen from the group consisting of a POTS phone, a cordless phone, a WIFI™ SIP phone, and a wired SIP phone.

10. (Currently Amended) A method for integrating wireless phone service with home phone service at a user facility, the method comprising steps of:

routing an incoming phone call to a wireless phone, the incoming phone call is directed to the wireless phone with a telephone number;

receiving the incoming phone call at a demarcation device having a wireless interface, the demarcation device disposed at a user facility, the demarcation device coupled to one or more wired phones at a user location, the demarcation device interposed between a PSTN and the one or more wired phones at the user location, the demarcation device interposed between an Internet and the one or more wired phones, and the demarcation device is interposed between an Internet and one or more SIP phones;

routing the incoming phone call to an interface coupled to one or more phones at a user location, wherein the wireless phone and the one or more phones at the user location are accessible with a telephone number;

determining if the wireless phone should be sent an incoming phone call; and
determining if the incoming phone call should be routed to one or more wired
phones; and
routing the incoming phone call to one or more of the wired phones.

11. (Original) The method for integrating wireless phone service with home phone service as recited in claim 10, wherein the first and second-listed routing steps are performed, at least partially, simultaneously.

12. (Currently Amended) The method for integrating wireless phone service with home phone service as recited in claim 10, wherein the first-listed determining step comprises a step of further comprising:

detecting if the one or more wired phones have been answered;
if the one or more wired phones ~~has~~have been answered, ~~terminate~~terminating the incoming phone call to the wireless phone;
if the one or more wired phones ~~has~~have not been answered, detecting if the wireless phone has been answered;
if the wireless phone has been answered, ~~terminate~~terminating the incoming phone call to the one or more wired phones; and
if the one or more wired phones ~~has~~have not been answered and if the wireless phone has not been answered, sending the incoming phone call to a voice mail system.

13. (Cancelled)

14. (Currently Amended) The method for integrating wireless phone service with home phone service as recited in claim 10, wherein the one or more wired ~~wireless~~ phones and the wireless phone ~~wired~~ phones use a unified voice mailbox.

15.-16. (Cancelled)

17. (Currently Amended) A method performed in a telephone switch for integrating wireless phone service with home phone service, the method comprising steps of:

routing an incoming phone call to a wireless phone, the incoming phone call is directed to the wireless phone with a telephone number;

routing the incoming phone call to a demarcation device having a wireless interface, the demarcation device disposed at a user facility, the demarcation device coupled to one or more wired phones at a user location, the demarcation device interposed between the one or more wired phones and a phone call transport network, the demarcation device interposed between an Internet and the one or more wired phones, and between the Internet and one or more SIP phones, wherein:

the wireless phone and the one or more wired phones are accessible with a telephone number, and

the first and second-listed routing steps are performed, at least partially, simultaneously;

determining if the wireless phone should be sent the incoming phone call; and

determining if the one or more wired phones should be sent the incoming phone call.

18. (Previously Presented) The method for integrating wireless phone service with home phone service as recited in claim 17, wherein the demarcation device interface wirelessly couples the one or more wired phones to the phone call transport network.

19. (Original) The method for integrating wireless phone service with home phone service as recited in claim 17, wherein the first-listed determining step comprises a step of detecting if the one or more wired phones have been answered.

20. (Original) The method for integrating wireless phone service with home phone service as recited in claim 17, wherein the second-listed determining step comprises a step of detecting if the wireless phone has been answered.

21.-22. (Cancelled)

23. (Previously Presented) The method for integrating wireless phone service with home phone service as recited in claim 19, wherein if the one or more wired phones have been answered, stopping the routing of the incoming phone call to the wireless phone.

24. (Previously Presented) The method for integrating wireless phone service with home phone service as recited in claim 20, wherein if the wireless phone has been answered, stopping the routing of the incoming phone call to the one or more wired phones.

25. (Previously Presented) The method for integrating wireless phone service with home phone service as recited in claim 17, wherein if neither the one or more wired phones or the wireless phone has been answered, sending the incoming phone call to a unified voice mail system.